IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

DOUGLAS N. ISHII

Serial No.: 08/571,802

Filed: February 17, 1998

For: METHOD FOR TREATING STROKE OR TRAUMATIC INJURY TO THE CENTRAL NERVOUS SYSTEM WITH IGF-I OR IGF-II

Group Art Unit: 1646

Examiner: M. Pak

Attorney Docket: CSUA019--1/WAA

EXHIBITS TO
DECLARATION OF DOUGLAS N. ISHII

PRINCIPLES OF NEURAL SCIENCE

THIRD EDITION

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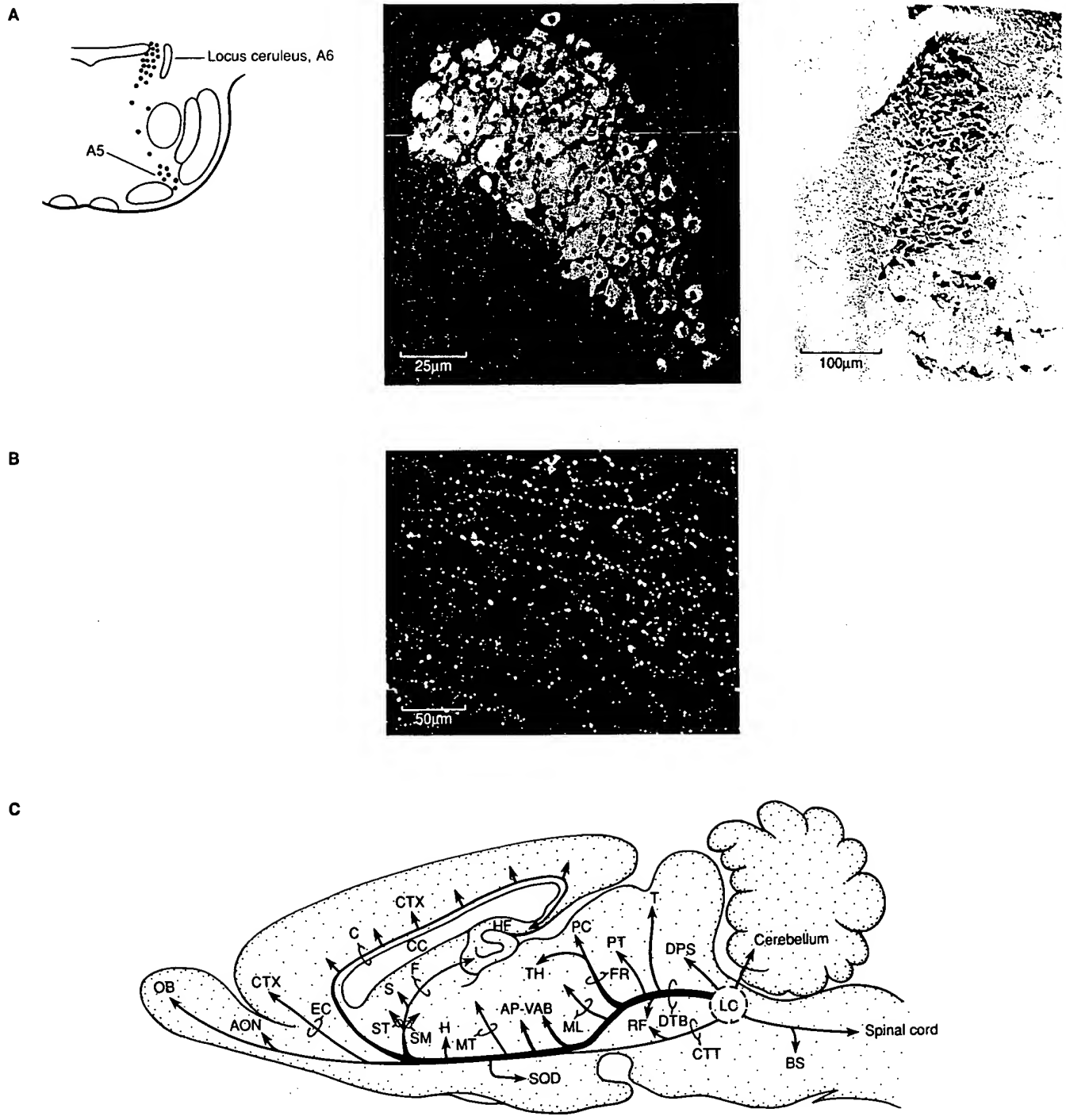

FIGURE 44–9
Noradrenergic cell groups of the locus ceruleus. (From Moore and Bloom, 1979.)

A. Neurons of the locus ceruleus visualized with histofluorescent (middle panel) and immunocytochemical (right panel) techniques.

B. An example of the terminal arborization of these noradrenergic cells in the hippocampus.

C. Summary diagram of the projections of the locus ceruleus (sagittal plane). **AP-VAB,** ansa peduncularis–ventral amygdaloid bundle system; **BS,** brain stem; **C,** cingulum; **CC,** corpus callosum; **CER,** cerebellum; **CTT,** central tegmental tract; **CTX,** cerebral cortex; **DPS,** dorsal periventricular system; **DTB,** dorsal tegmental bundle; **EC,** external capsule; **F,** fornix; **FR,** fasciculus retroflexus; **H,** hypothalamus; **HF,** hippocampal formation; **LC,** locus ceruleus; **ML,** medial lemniscus; **MT,** mammilothalamic tract; **OB,** olfactory bulb; **PC,** posterior commissure; **PT,** pretectal area; **RF,** reticular formation; **S,** septal area; **SC,** spinal cord; **SM,** stria medullaris; **ST,** stria terminalis; **T,** tectum; **TH,** thalamus.